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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Chu

Appln. No. : 10/660,388

Filed : September 11, 2003

For : OPTIMIZATION OF AN
OBJECTIVE MEASURE FOR
ESTIMATING MEAN OPINION
SCORE OF SYNTHESIZED SPEECH

Docket No.: M61.12-0520

Group Art Unit: ---

Examiner: ---

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

TIME OF FILING

The information disclosure statement is being filed:

1. x
1. Within three months of the filing date of a national application other than a Continued Prosecution Application (CPA);
 2. Within three months of the date of entry of the National Stage international application;
 3. Before the mailing date of a first Office Action on the merits; or
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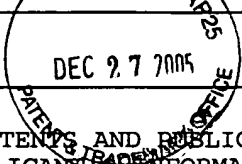
Respectfully submitted,

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FORM PTO-1449	Atty. Docket No.: M61.12-0520	Appl. No.: 10/660,388
 <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p>	First Named Inventor: Chu	
	Filing Date September 11, 2003	Group Art: ---

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	5,634,086	5/1997	Rtischev et al.	704	270	
AB	6,260,016	7/2001	Holm et al.	704	260	
AC	6,370,120	4/2002	Hardy	370	252	
AD	6,810,378	10/2004	Kochanski et al.	704	258	
AE	6,609,092	08/2003	Ghitza et al.	704	226	
AF	6,446,038	9/2002	Bayya et al.	704	232	
AG	6,594,307	7/2003	Beerends, John Gerard	375	224	
AH	5,903,655	5/1999	Salmi et al.	381	321	
AI	2002/0173961	11/2002	Guerra, Lisa M.	704	258	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AJ	Hagen, R. Paksoy et al, "Voicing-Specific LPC Quantization for Variable-Rate Speech Coding", IEEE transactions on speech and audio processing, Vol.1, No. 5, September 1999
AK	Bou-Ghazale et al, "HMM-Based Stressed Speech Modeling with Application to Improved Synthesis and Recognition of Isolated Speech Under Stress", IEE transactions on speech and audio processing, Vol.6, No. 3, May 1998.
AL	Wu, S. Pols, L. "A Distance Measure for Objective Quality Evaluation of Speech Communication Channels Using Also Dynamic Spectral Features", Institute of Phonetic Services, Proceedings 20, pgs. 27-42, 1996.
AM	Chu, M. et al, "An Objective Measure for Estimating MOS of Synthesized Speech", Eurospeech 2001.
AN	Kitawaki, N. et al, "Objective Quality Evaluation for Low-Bit-Rate Speech Coding Systems", IEEE Journal on Selected Area in Communications, Vol.6, No. 2, Feb.1988
AO	Wang S. et al, "An Objective Measure for Predicting Subjective Quality of Speech Coders:, IEEE Journal on selected ares on communications, Vol.10, Issue 5, 819-829
AP	Dimolitsas, S. "Objective Speech Distortion Measures and their Relevance to Speech Quality Assessments", IEEE Proceedings, Vol.136, Pt. I, No.5, Oct. 1989, 317-324

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Cotains,L.(2000),"Speech Quality Evaluation for Mobile Networks", Proceeding of 2000 IEEE International Conference on Communication,Vol.3,1530-1534.
AR	Thorpe,L. et al,(1999)"Performance of Current Perceptual Objective Speech Quality Measures",Proceeding of IEEE Workshop on Speech Coding, 1999, 144-146.
AS	Bayya,A. et al,"Objective Measures for Speech Quality Assessment in Wireless Communications:,Proceedings of ICASSP 96,Vol.1, 495-498.
AT	Kitawaki,N. et al, "Quality Assessment of Speech Coding and Speech Synthesis Systems", Communications Magazine, IEEE,Vol.26, Issue 10, Oct. 1988, 36-44.

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